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**TECHNICAL BACKGROUND PROCUREMENT INFORMATION**

**I. Contractor**

A. Name and address:

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B. Evaluation of previous performance: \_\_\_\_\_

**II. Brief description of this procurement:** ~~"Photo Interpretation Rapid Copy~~  
~~Viewer/Printer" (P.I. Print Enlarger)~~

Estimated total amt.

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A. Deliverable items: One Prototype Hardware Operation and Service  
Manual.

B. Is this procurement for other than a standard, "off the shelf" or slightly modified commercial item? yes If "yes", is it anticipated that any more of this unit will be procured? \_\_\_\_\_ If so, a complete set of directly reproducible manufacturing drawings and specifications would normally be included in this procurement. Comments: \_\_\_\_\_

Further Procurement would be "off the shelf"

C. Will contract cover a period of more than 90 days? yes  
If "yes", are progress reports desired? yes If so, indicate frequency, content and number of copies desired: Monthly

according to DB-1001

D. Is any Government-owned property to be provided to the contractor?

No If so, list and indicate its availability (where, when,

etc.) \_\_\_\_\_

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Declass Review by NGA.

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E. Is any special tooling involved?

F. Security:

1. Association with the Sponsor is Confidential
2. The specifications and/or drawings are Unclassified
3. The item is Unclassified
4. Contractor personnel known to be aware of this proposed procurement:

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5. Other security information

III. Reasons for selection of this source. If other sources were considered, indicate results. If no other sources were considered, list the reasons why this firm is considered to be uniquely qualified to perform this work.

Has had successful Government contracts in the past in building similar types of equipment. Also   will be the supplier of the Material that will be used with this equipment.

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IV. If contract will cover deliverable item(s) state room location where equipment will be installed 3W121. (It is extremely important that the Engineering Data Sheet including room location and any other pertinent facts be submitted to NPIC Engineering Section as far as possible in advance of delivery.)

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V. Technical contact

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In the event additional space is required, use the reverse side(s) of this form, with a reference to the item number to which the comment applies.

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Proposal Number 66-3557

PHOTOINTERPRETATION RAPID COPY VIEWER/PRINTER  
Addendum #1

This addendum to the Photointerpretation Rapid Copy Viewer/Printer proposal has been generated to clarify further the performance features of this equipment. The related proposal paragraphs are identified with each item for appropriate reference.

- Item 1 Screen Illumination - Variation in illumination level between any two points on the viewing screen will not exceed 20%. (Para. 2.4)
- Item 2 Exposure Control - In order to simplify equipment operation and insure generation of quality prints, an automatic exposure control device will be included. This system element will control both printing lamp intensity and lens shutter timing to produce properly exposed prints. The photosensing device will view the completely illuminated negative format and produce electronic signals equivalent to the integrated density characteristics of the image. A manual override capability will be provided to allow operator control of exposure should this be required. (Para. 2.4.2.)
- Item 3 Film Chip Accommodation - Provisions will be included in the Film Transport Design for x translation of input film chips. This translation will be initiated manually from the control panel with suitable connections to a rack and pinion assembly mounted orthogonally to the Y translation axis. (Para. 2.4.3.)

Item 4 Focus Control - The equipment will contain the facility for fine focus of any of the five (5) lenses. Since the lens configuration is mounted on a single vertical shaft, vertical translation of the shaft can provide fine focus control for any lens position. During factory test and alignment of this equipment nominal lens position focus will be established for each magnification. (Para. 2.3)

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Item 5 Variable Transport - The film and paper transport utilized in the  Processor may be accommodated to accept either 10" wide or 20" wide material. Metering of both materials may be adjusted to avoid excessive waste. Changeover from wide to narrow web material is accomplished by control panel adjustment of metered length and modification of film guides and spool mountings. Suitable masking is provided at the print platen to avoid fogging of unexposed sensitized material. The minimum size of the output format will be 10" x 10".

The input materials will be cassette-spoiled with spacers provided on the mounting spindles for aligning either size format with respect to the Printer platen. The procedure for changing from 20" x 20" to 10" x 10" prints will consist of removing the 20" cassettes, removal of the 20" paper and substituting the 10" spools with the attached spacers, manually sliding the negative film drive roller assembly to the detent position marked 10, threading the new materials, and rotating a hinged light mask into position. The film and paper metering and cut-off system will be automatically adjusted by the position of the negative film drive rollers and a pilot lamp at the operators control panel will indicate the print size.

The use of a ~~paper~~ cassette, hinged light mask, and a sliding drive roller system will provide a rapid change-over capability with a down-time requirement of less than five (5) minutes. The cassettes may be darkroom loaded and then loaded in the viewer/printer under normal room light. (Para. 2.9)

- Item 6 Processor Assembly - The diffusion transfer reversal processing assembly may be removed for cleaning. Under normal operating conditions this assembly should be cleaned periodically every two weeks. The processor plumbing will include a filter assembly which must also be replaced periodically. The processor pinch roller assembly will contain scrapping knives to prevent chemical buildup on the roller portion. (Para. 2.9)
- Item 7 Operating Life of Chemistry - Under continuous use at 100 prints per day the processing chemicals must be replaced daily, however, if the printing rate is not achieved on a daily basis, then the chemicals may be utilized up to approximately one week or until the 100 print level is reached. Extension of the operating life of the chemistry may be accomplished by returning the solution from the processing tray to the container when not in constant use and maintenance of the ambient room environment (below 80°F).

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